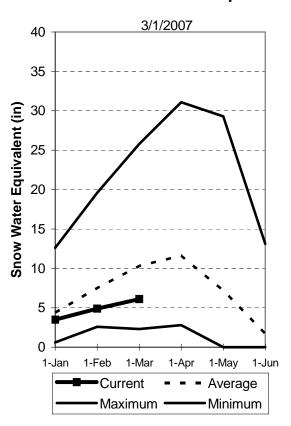
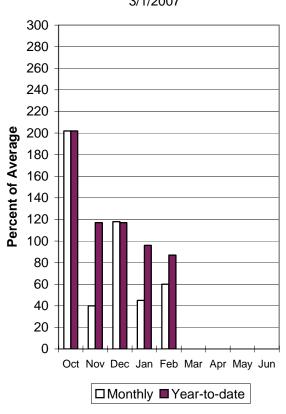
## E. Garfield, Kane, Washington, & Iron Co. March 1, 2007

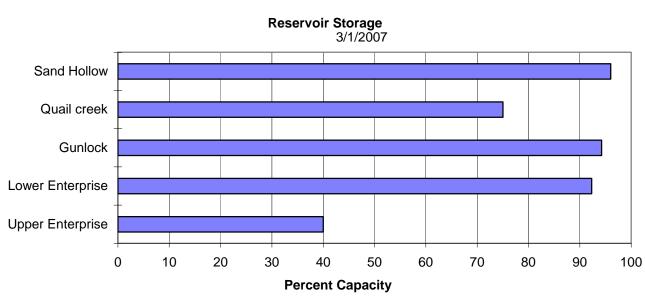
Snowpacks in this region are much below normal at 59% of average, about 141% of last year and down 6% relative to last month. These watersheds have a 14% chance of reaching average snowpack this season. Individual sites range from 12% to 100% of average. Precipitation in the month of February was much below average at 60%, bringing the seasonal accumulation (Oct-Feb) to 87% of average. Soil moisture estimates in runoff producing areas are at 45% of saturation in the upper 2 feet of soil compared to 31% last year. Forecast streamflows range from 46% to 55% of average. Reservoir storage is at 83% of capacity, 8% less than last year. The Surface Water Supply Index is at 33%, indicating below average water supply conditions.

## **Southwest Utah Snowpack**



## Southwest Utah Precipitation 3/1/2007





\_\_\_\_\_\_\_ E. GARFIELD, KANE, WASHINGTON, & IRON Co.

## Streamflow Forecasts - March 1, 2007

Company   Comp		=======						=======	========	
Period   90%   70%   1000AF   30%   10%   30-Yr Avg.   (1000AF)   (1000AF)			<====== Drier ====== Future Conditions ====== Wetter ====>>						1	
Period   90%   70%   1000AF   30%   10%   30-Yr Avg.   (1000AF)   (1000AF)									!	
(1000AF) (	Forecast Point		•						!	
Lake Powell Inflow (2)		Period			-					
Lake Powell Inflow (2)   APR-JUL   2650   4410   5600   71   6790   8550   7930			(1000AF)	(1000AF)					(1000AF)	
Virgin River at Virgin         APR-JUL         17.3         24         33         52         43         60         64           Virgin River near Hurricane         APR-JUL         17.3         22         32         46         44         65         69           Santa Clara River nr Pine Valley         APR-JUL         1.0         2.1         3.0         55         4.1         6.0         5.5           Coal Creek nr Cedar City         APR-JUL         6.3         9.8         12.7         66         15.9         21         19.3           E. GARFIELD, KANE, WASHINGTON, & IRON Co.         E. GARFIELD, KANE, WASHINGTON, & IRON Co.         Watershed Snowpack Analysis - March 1, 2007           Usable   **** Usable Storage ***         Number This Year as % of Capacity           Reservoir         Capacity         This Last         Watershed         Of         ==================================	- 1 - 11 - (1 (0)			4410					=======================================	
Virgin River near Hurricane APR-JUL 17.3 22 32 46 44 65 69  Santa Clara River nr Pine Valley APR-JUL 1.0 2.1 3.0 55 4.1 6.0 5.5  Coal Creek nr Cedar City APR-JUL 6.3 9.8 12.7 66 15.9 21 19.3  E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February Watershed Snowpack Analysis - March 1, 2007  Usable *** Usable Storage *** Reservoir Capacity This Last Watershed of ***	Lake Powell Inflow (2)	APR-JUL	2650	4410	5600	71	6790 	8550	7930	
Virgin River near Hurricane APR-JUL 17.3 22 32 46 44 65 69  Santa Clara River nr Pine Valley APR-JUL 1.0 2.1 3.0 55 4.1 6.0 5.5  Coal Creek nr Cedar City APR-JUL 6.3 9.8 12.7 66 15.9 21 19.3  E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February Watershed Snowpack Analysis - March 1, 2007  Usable *** Usable Storage *** Reservoir Capacity This Last Watershed of ***	Virgin Diver at Virgin	ADDTIIT.	17 3	24	33	52	   43	60	64	
Santa Clara River nr Pine Valley APR-JUL 1.0 2.1 3.0 55 4.1 6.0 5.5  Coal Creek nr Cedar City APR-JUL 6.3 9.8 12.7 66 15.9 21 19.3  E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February Watershed Snowpack Analysis - March 1, 2007  Usable *** Usable Storage *** Watershed of	Viigin kivei at Viigin	AFK-00D	17.3	44	33	32	<del>1</del> 5	00	01	
Santa Clara River nr Pine Valley APR-JUL 1.0 2.1 3.0 55 4.1 6.0 5.5  Coal Creek nr Cedar City APR-JUL 6.3 9.8 12.7 66 15.9 21 19.3  E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February Watershed Snowpack Analysis - March 1, 2007  Usable *** Usable Storage *** Number This Year as % of Capacity This Last Watershed of	Virgin River near Hurricane	APR-JUL	17.3	22	32	46	44	65	69	
Coal Creek nr Cedar City APR-JUL 6.3 9.8   12.7 66   15.9 21 19.3  E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February   E. GARFIELD, KANE, WASHINGTON, & IRON Co. Watershed Snowpack Analysis - March 1, 2007  Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================	· <b>3</b> · ·						i			
E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February  Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================	Santa Clara River nr Pine Valley	APR-JUL	1.0	2.1	3.0	55	4.1	6.0	5.5	
E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of February  Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================	_						İ			
Reservoir Storage (1000 AF) - End of February   Watershed Snowpack Analysis - March 1, 2007  Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================	Coal Creek nr Cedar City	APR-JUL	6.3	9.8	12.7	66	15.9	21	19.3	
Reservoir Storage (1000 AF) - End of February   Watershed Snowpack Analysis - March 1, 2007  Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================										
Reservoir Storage (1000 AF) - End of February   Watershed Snowpack Analysis - March 1, 2007  Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================										
Usable   *** Usable Storage ***   Number This Year as % of Reservoir   Capacity   This Last   Watershed   Of										
Usable   *** Usable Storage ***   Number This Year as % of Reservoir Capacity This Last   Watershed of ===================================										
Reservoir Capacity This Last Watershed of ========	=======================================					========				
	Peservoir					rehed				
lear rear avg   Data brees hast if average	Reservoir	Capacity			!	:I siled				
			l rear	Tear A	'9   			Hasc		
GUNLOCK 10.4 9.8 10.4 4.9   VIRGIN RIVER 5 133 58	GUNLOCK	10.4	9.8	10.4	.9 VIRG	IN RIVER	5	133	58	
							_		* *	
LAKE POWELL 24322.0 11560.0 10871.0   PAROWAN 2 106 74	LAKE POWELL	24322.0	11560.0 10	0871.0	PARO	WAN	2	106	74	
į į					i					
QUAIL CREEK 40.0 30.0 37.3 29.7   ENTERPRISE TO NEW HARMONY 2 1280 48	QUAIL CREEK	40.0	30.0	37.3 29	.7   ENTE	RPRISE TO NEW	W HARMONY 2	1280	48	

\_\_\_\_\_\_\_ \* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

2.4 0.0 90.0 ESCALANTE RIVER

COAL CREEK

E. GARFIELD, KANE, WASHIN 9

109

138

138

71

73

59

The average is computed for the 1971-2000 base period.

UPPER ENTERPRISE

LOWER ENTERPRISE

10.0 4.0 9.0 ---

2.6

<sup>(1) -</sup> The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.(2) - The value is natural volume - actual volume may be affected by upstream water management.